Author index Special EBEC issue

Adams, V., see Brdiczka, D. (1018) 234
Agsteribbe, E., see Scholte, H.R. (1018) 211
Alben, J.O., see Chepuri, V. (1018) 124
Anemüller, S., see Schäfer, G. (1018) 271
Aon, M.A., see Westerhoff, H.V. (1018) 142

Baker, M.E., see Saier, Jr., M.H. (1018) 248
Bakker, A., see Biermans, W. (1018) 225
Balan, V.J., see Ewart, G. (1018) 223
Barber, J., see Telfer, A. (1018) 168
Baudyšová, M., see Houštěk, J. (1018) 243
Becker, K., see Pfanner, N. (1018) 239
Biermans, W., Bakker, A. and Jacob, W.
Contact sites between inner and outer mitochondrial membrane: a dynamic microcompartment for creatine kinase activity (1018) 225
Bisaccia, F., see Palmieri, F. (1018) 147
Blaut, M., see Gottschalk, G. (1018) 263
Bogucka, K., see Wojtczak, L. (1018) 177
Bohnensack, R., Gellerich, F.N., Schild, L. and Kunz, W.
The function of the adenine nucleotide translocator in the control of oxidative phosphorylation (1018) 182
Brand, M.D.
The proton leak across the mitochondrial inner membrane (1018) 128
Brdiczka, D., Bücheler, K., Kottke, M., Adams, V. and Nalam, V.K.
Characterization and metabolic function of mitochondrial contact sites (1018) 234
Bücheler, K., see Brdiczka, D. (1018) 234
Busch, H.F.M., see Scholte, H.R. (1018) 211
Buurman, E.T., see Neijssel, O.M. (1018) 252

Capaldi, R.A., see Ewart, G. (1018) 223
Capobianco, L., see Palmieri, F. (1018) 147
Chepuri, V., Lemieux, L., Hill, J., Alben, J.O. and Gennis, R.B.
Recent studies of the cytochrome *o* terminal oxidase complex of *Escherichia coli* (1018) 124
Clark, J.B., see Morgan-Hughes, J.A. (1018) 217
Cooper, J.M., see Morgan-Hughes, J.A. (1018) 217
Cortassa, S., see Westerhoff, H.V. (1018) 142

Davidson, A.M., see Halestrap, A.P. (1018) 278
Demel, R., see Nicolay, K. (1018) 229
Denton, R.M., see McCormack, J.G. (1018) 287
Dér, A., see Keszthelyi, L. (1018) 260
Dimroth, P., see Hoffmann, A. (1018) 206
Durrant, J., see Telfer, A. (1018) 168
Duszyński, J., see Wojtczak, L. (1018) 177

Ewald, G., see Michel, H. (1018) 115
Ewart, G., Lightowlers, R., Zhang, Y.-Z., Balan, V.J., Kennaway, N. and Capaldi, R.A.
Tissue specificity and defects in human cytochrome *c* oxidase (1018) 223

Fritzsch, G., see Michel, H. (1018) 115

Garlid, K.D.
New insights into mechanisms of anion uniport through the uncoupling protein of brown adipose tissue mitochondria (1018) 151
Gellerich, F.N., see Bohnensack, R. (1018) 182
Gennis, R.B., see Chepuri, V. (1018) 124
Ghislain, M., see Goffeau, A. (1018) 200
Goffeau, A., Ghislain, M., Navarre, C., Purnelle, B. and Supply, P.
Novel transport ATPases in yeast (1018) 200
Gottschalk, G. and Blaut, M.
Generation of proton and sodium motive forces in methanogenic bacteria (1018) 263
Gräber, P., see Turina, M.P. (1018) 134

Halestrap, A.P., Davidson, A.M. and Potter, W.D.
Mechanisms involved in the hormonal regulation of mitochondrial function through changes in the matrix volume (1018) 278
Hansford, R.G., Hogue, B., Prokopczuk, A., Wasilewska, E. and Lewartowski, B.
Activation of pyruvate dehydrogenase by electrical stimulation, and low-Na^+ perfusion of guinea-pig heart (1018) 282
Harding, A.E., see Morgan-Hughes, J.A. (1018) 217
Hergersberg, C., see Pfanner, N. (1018) 239
Hill, J., see Chepuri, V. (1018) 124
Hoffmann, A., Laubinger, W. and Dimroth, P.
Na^+-coupled ATP synthesis in *Propionigenium modestum*: is it a unique system? (1018) 206
Hogue, B., see Hansford, R.G. (1018) 282
Holt, I.J., see Morgan-Hughes, J.A. (1018) 217
Hoogenraad, T.U., see Scholte, H.R. (1018) 211
Houštěk, J., Kopecký, J., Baudyšová, M., Janíková, D., Pavelka, S. and Klement, P.
Differentiation of brown adipose tissue and biogenesis of thermogenic mitochondria in situ and in cell culture (1018) 243
Hovius, R., see Nicolay, K. (1018) 229
Hsu, C.-M., see Rosen, B.P. (1018) 203

Iacobazzi, V., see Palmieri, F. (1018) 147
Indiveri, C., see Palmieri, F. (1018) 147

Jacob, W., see Biermans, W. (1018) 225
Janíková, D., see Houštěk, J. (1018) 243
Jennekens, F.G.I., see Scholte, H.R. (1018) 211

Kaback, H.R.
The *lac* permease of *Escherichia coli*: a prototypic energy-transducing membrane protein (1018) 160
Kahn, D., see Westerhoff, H.V. (1018) 142
Karkaria, C.E., see Rosen, B.P. (1018) 203
Kaur, P., see Rosen, B.P. (1018) 203
Kennaway, N., see Ewart, G. (1018) 223
Keszthelyi, L., Száraz, S., Dér, A. and Stoeckenius, W.
Bacteriorhodopsin and halorhodopsin: multiple ion pumps (1018) 260
Klement, P., see Houštěk, J. (1018) 243
Koepke, J., see Michel, H. (1018) 115
Konstantinov, A.A.
Vectorial electron and proton transfer steps in the cytochrome bc_1 complex (1018) 138
Kopecký, J., see Houštěk, J. (1018) 243
Kottke, M., see Brdiczka, D. (1018) 234
Kunz, W., see Bohnensack, R. (1018) 182

Laubinger, W., see Hoffmann, A. (1018) 206
Lemieux, L., see Chepuri, V. (1018) 124
Lengeler, J.W.
Molecular analysis of the EnzymeII-complexes of the bacterial phosphotransferase system (PTS) as carbohydrate transport systems (1018) 155
Lewartowski, B., see Hansford, R.G. (1018) 282
Lightowlers, R., see Ewart, G. (1018) 223
Lübben, M., see Schäfer, G. (1018) 271
Luyt-Houwen, I.E.M., see Scholte, H.R. (1018) 211

Mathis, P.
Compared structure of plant and bacterial photosynthetic reaction centers. Evolutionary implications (1018) 163
Matin, A.
Bioenergetics parameters and transport in obligate acidophiles (1018) 267
McCormack, J.G. and Denton, R.M.
The role of mitochondrial Ca^{2+} transport and matrix Ca^{2+} in signal transduction in mammalian tissues (1018) 287
Melandri, B.A., see Turina, M.P. (1018) 134
Michel, H., Sinning, I., Koepke, J., Ewald, G. and Fritzsch, G.
The photosynthetic reaction centre from the purple bacterium *Rhodopseudomonas viridis* – an overview and recent advances (1018) 115
Morgan-Hughes, J.A., Schapira, A.H.V., Cooper, J.M., Holt, I.J., Harding, A.E. and Clark, J.B.
The molecular pathology of respiratory-chain dysfunction in human mitochondrial myopathies (1018) 217

Nalam, V.K., see Brdiczka, D. (1018) 234
Navarre, C., see Goffeau, A. (1018) 200
Neijssel, O.M., Buurman, E.T. and Teixeira de Mattos, M.J.
The role of futile cycles in the energetics of bacterial growth (1018) 252
Nelson, B.D.
Thyroid hormone regulation of mitochondrial function. Comments on the mechanism of signal transduction (1018) 275
Neupert, W., see Pfanner, N. (1018) 239
Nicolay, K., Rojo, M., Wallimann, T., Demel, R. and Hovius, R.
The role of contact sites between inner and outer mitochondrial membrane in energy transfer (1018) 229

Owolabi, J.B., see Rosen, B.P. (1018) 203

Palmieri, F., Bisaccia, F., Capobianco, L., Iacobazzi, V., Indiveri, C. and Zara, V.
Structural and functional properties of mitochondrial anion carriers (1018) 147
Pavelka, S., see Houštěk, J. (1018) 243
Pfanner, N., Rassow, J., Wienhues, U., Hergersberg, C., Söllner, T., Becker, K. and Neupert, W.
Contact sites between inner and outer membranes: structure and role in protein translocation into the mitochondria (1018) 239
Phillips, J.D., see Schmitt, M.E. (1018) 119
Portillo, F., see Serrano, R. (1018) 195
Potter, W.D., see Halestrap, A.P. (1018) 278
Prokopczuk, A., see Hansford, R.G. (1018) 282
Purnelle, B., see Goffeau, A. (1018) 200

Rassow, J., see Pfanner, N. (1018) 239
Reber, B.F.X., Somogyi, R. and Stucki, J.W.
Hormone-induced intracellular calcium oscillations and mitochondrial energy supply in single hepatocytes (1018) 190
Reizer, A., see Saier, Jr., M.H. (1018) 248
Reizer, J., see Saier, Jr., M.H. (1018) 248
Rigoulet, M.
Control processes in oxidative phosphorylation: kinetic constraints and stoichiometry (1018) 185
Rojo, M., see Nicolay, K. (1018) 229
Rosen, B.P., Hsu, C.-M., Karkaria, C.E., Kaur, P., Owolabi, J.B. and Tisa, L.S.
A plasmid-encoded anion-translocating ATPase (1018) 203
Ross, J.D., see Scholte, H.R. (1018) 211
Ruiters, M.H.J., see Scholte, H.R. (1018) 211

Saier, Jr., M.H., Wu, L.-F., Baker, M.E., Sweet, G., Reizer, A. and Reizer, J.
Evolution of permease diversity and energy-coupling mechanisms with special reference to the bacterial phosphotransferase system (1018) 248
Schäfer, G., Lübben, M. and Anemüller, S.
Electron transport-phosphorylation and its catalysts in the archaebacterium *Sulfolobus acidocaldarius* (1018) 271
Schapira, A.H.V., see Morgan-Hughes, J.A. (1018) 217
Schild, L., see Bohnensack, R. (1018) 182
Schmitt, M.E., Phillips, J.D. and Trumpower, B.L.
Genetic controls of mitochondrial development and function. Genetic analysis of subunits 6 and 9 of yeast ubiquinol-cytochrome *c* oxidoreductase complex (1018) 119
Scholte, H.R., Agsteribbe, E., Busch, H.F.M., Hoogenraad, T.U., Jennekens, F.G.I., Van Linge, B., Luyt-Houwen, I.E.M., Ross, J.D., Ruiters, M.H.J. and Verduin, M.H.M.
Oxidative phosporylation in human muscle in patients with ocular myopathy and after general anaesthesia (1018) 211
Serrano, R. and Portillo, F.
Catalytic and regulatory sites of yeast plasma membrane H^+-ATPase studied by directed mutagenesis (1018) 195
Sinning, I., see Michel, H. (1018) 115
Söllner, T., see Pfanner, N. (1018) 239
Somogyi, R., see Reber, B.F.X. (1018) 190
Stoeckenius, W., see Keszthelyi, L. (1018) 260
Stucki, J.W., see Reber, B.F.X. (1018) 190
Supply, P., see Goffeau, A. (1018) 200
Sweet, G., see Saier, Jr., M.H. (1018) 248
Száraz, S., see Keszthelyi, L. (1018) 260

Teixeira de Mattos, M.J., see Neijssel, O.M. (1018) 252
Telfer, A., Durrant, J. and Barber, J.
Transient absorption spectroscopy of the primary electron donor, P680, in the isolated Photosystem II reaction centre (1018) 168
Thauer, R.K.
Energy metabolism of methanogenic bacteria (1018) 256
Tisa, L.S., see Rosen, B.P. (1018) 203
Trumpower, B.L., see Schmitt, M.E. (1018) 119
Turina, M.P., Venturoli, G., Gräber, P. and Melandri, B.A.
Quantitative estimation of the H^+-storage capacity of chromatophores and comparison with acid-base induced ATP synthesis (1018) 134

Van Dam, K., see Westerhoff, H.V. (1018) 142
Van Gorkom, H.J., see Van Leeuwen, P.J. (1018) 173
Van Leeuwen, P.J., Vos, M.H. and Van Gorkom, H.J.
Photosynthetic oxygen evolution (1018) 173
Van Linge, B., see Scholte, H.R. (1018) 211
Van Workum, M., see Westerhoff, H.V. (1018) 142
Venturoli, G., see Turina, M.P. (1018) 134
Verduin, M.H.M., see Scholte, H.R. (1018) 211
Vos, M.H., see Van Leeuwen, P.J. (1018) 173

Wallimann, T., see Nicolay, K. (1018) 229
Wasilewska, E., see Hansford, R.G. (1018) 282
Westerhoff, H.V., Aon, M.A., Van Dam, K., Cortassa, S., Kahn, D. and Van Workum, M.
Dynamical and hierarchical coupling (1018) 142

Wienhues, U., see Pfanner, N. (1018) 239
Wojtczak, L., Bogucka, K., Duszyński, J., Zabłocka, B. and Żółkiewska, A.
Regulation of mitochondrial resting state respiration: slip, leak, heterogeneity? (1018) 177
Wu, L.-F., see Saier, Jr., M.H. (1018) 248
Zabłocka, B., see Wojtczak, L. (1018) 177
Zara, V., see Palmieri, F. (1018) 147
Zhang, Y.-Z., see Ewart, G. (1018) 223
Żółkiewska, A., see Wojtczak, L. (1018) 177

Author index Vol. 1018

Adams, V., see Brdiczka, D. (1018) 234
Agsteribbe, E., see Scholte, H.R. (1018) 211
Alben, J.O., see Chepuri, V. (1018) 124
Amler, E., see Beleznai, Z. (1018) 72
Anemüller, S., see Schäfer, G. (1018) 271
Ångström, J., see Wydrzynski, T. (1018) 55
Aon, M.A., see Westerhoff, H.V. (1018) 142
Azzone, G.F., see Luvisetto, S. (00) 77

Baker, M.E., see Saier, Jr., M.H. (1018) 248
Bakker, A., see Biermans, W. (1018) 225
Balan, V.J., see Ewart, G. (1018) 223
Barber, J., see Telfer, A. (1018) 168
Baudyšová, M., see Houštěk, J. (1018) 243
Baumgart, F., see Wydrzynski, T. (1018) 55
Becker, K., see Pfanner, N. (1018) 239
Beleznai, Z., Amler, E., Jancsik, V., Rauchová, H. and Drahota, Z.
Incorporation of mitochondrial L-glycerol-3-phosphate dehydrogenase into liposomes; effect of sodium oleate and calcium ions (1018) 72
Biermans, W., Bakker, A. and Jacob, W.
Contact sites between inner and outer mitochondrial membrane: a dynamic microcompartment for creatine kinase activity (1018) 225
Bisaccia, F., see Palmieri, F. (1018) 147
Blaut, M., see Gottschalk, G. (1018) 263
Bogucka, K., see Wojtczak, L. (1018) 177
Bohnensack, R., Gellerich, F.N., Schild, L. and Kunz, W.
The function of the adenine nucleotide translocator in the control of oxidative phosphorylation (1018) 182
Bragg, P.D., see Hou, C. (1018) 61
Brand, M.D.
The proton leak across the mitochondrial inner membrane (1018) 128
Brdiczka, D., Bücheler, K., Kottke, M., Adams, V. and Nalam, V.K.
Characterization and metabolic function of mitochondrial contact sites (1018) 234
Bücheler, K., see Brdiczka, D. (1018) 234
Busch, H.F.M., see Scholte, H.R. (1018) 211
Buurman, E.T., see Neijssel, O.M. (1018) 252

Capaldi, R.A., see Ewart, G. (1018) 223
Capobianco, L., see Palmieri, F. (1018) 147
Chepuri, V., Lemieux, L., Hill, J., Alben, J.O. and Gennis, R.B.
Recent studies of the cytochrome *o* terminal oxidase complex of *Escherichia coli* (1018) 124
Clark, J.B., see Morgan-Hughes, J.A. (1018) 217
Cola, C., see Luvisetto, S. (00) 77
Conover, T.E., see Luvisetto, S. (00) 77
Cooper, J.M., see Morgan-Hughes, J.A. (1018) 217
Cortassa, S., see Westerhoff, H.V. (1018) 142

Davidson, A.M., see Halestrap, A.P. (1018) 278
Deák, Z., see Vass, I. (1018) 41
Demel, R., see Nicolay, K. (1018) 229
Denton, R.M., see McCormack, J.G. (1018) 287
Dér, A., see Keszthelyi, L. (1018) 260
Dimroth, P., see Hoffmann, A. (1018) 206
Drachev, L.A., see Kaulen, A.D. (1018) 103
Drahota, Z., see Beleznai, Z. (1018) 72

Durrant, J., see Telfer, A. (1018) 168
Duszyński, J., see Wojtczak, L. (1018) 177

Ewald, G., see Michel, H. (1018) 115
Ewart, G., Lightowlers, R., Zhang, Y.-Z., Balan, V.J., Kennaway, N. and Capaldi, R.A.
Tissue specificity and defects in human cytochrome *c* oxidase (1018) 223

Fontaine, E., see Rigoulet, M. (1018) 91
Fraisse, L., see Rigoulet, M. (1018) 91
Fritzsch, G., see Michel, H. (1018) 115

Garlid, K.D.
New insights into mechanisms of anion uniport through the uncoupling protein of brown adipose tissue mitochondria (1018) 151
Gellerich, F.N., see Bohnensack, R. (1018) 182
Gennis, R.B., see Chepuri, V. (1018) 124
Ghislain, M., see Goffeau, A. (1018) 200
Goffeau, A., Ghislain, M., Navarre, C., Purnelle, B. and Supply, P.
Novel transport ATPases in yeast (1018) 200
Gottschalk, G. and Blaut, M.
Generation of proton and sodium motive forces in methanogenic bacteria (1018) 263
Gräber, P., see Turina, M.P. (1018) 134
Guérin, B., see Rigoulet, M. (1018) 91
Güner, S., see Hobbs, D.D. (1018) 47

Halestrap, A.P., Davidson, A.M. and Potter, W.D.
Mechanisms involved in the hormonal regulation of mitochondrial function through changes in the matrix volume (1018) 278
Hansford, R.G., Hogue, B., Prokopczuk, A., Wasilewska, E. and Lewartowski, B.
Activation of pyruvate dehydrogenase by electrical stimulation, and low-Na^+ perfusion of guinea-pig heart (1018) 282
Harding, A.E., see Morgan-Hughes, J.A. (1018) 217
Hergersberg, C., see Pfanner, N. (1018) 239
Hill, J., see Chepuri, V. (1018) 124
Hobbs, D.D., Kriauciunas, A., Güner, S., Knaff, D.B. and Ondrias, M.R.
Resonance Raman spectroscopy of cytochrome bc_1 complexes from *Rhodospirillum rubrum*: initial characterization and reductive titrations (1018) 47
Hoffmann, A., Laubinger, W. and Dimroth, P.
Na^+-coupled ATP synthesis in *Propionigenium modestum*: is it a unique system? (1018) 206
Hogue, B., see Hansford, R.G. (1018) 282
Holt, I.J., see Morgan-Hughes, J.A. (1018) 217
Hoogenraad, T.U., see Scholte, H.R. (1018) 211
Hou, C., Potier, M. and Bragg, P.D.
Crosslinking and radiation inactivation analysis of the subunit structure of the pyridine nucleotide transhydrogenase of *Escherichia coli* (1018) 61
Houštěk, J., Kopecký, J., Baudyšová, M., Janíková, D., Pavelka, S. and Klement, P.
Differentiation of brown adipose tissue and biogenesis of thermogenic mitochondria in situ and in cell culture (1018) 243
Hovius, R., see Nicolay, K. (1018) 229
Hsu, C.-M., see Rosen, B.P. (1018) 203

Iacobazzi, V., see Palmieri, F. (1018) 147
Indiveri, C., see Palmieri, F. (1018) 147

Jacob, W., see Biermans, W. (1018) 225
Jancsik, V., see Beleznai, Z. (1018) 72
Janíková, D., see Houštěk, J. (1018) 243
Jeal, A.E., see Rich, P.R. (1018) 29
Jennekens, F.G.I., see Scholte, H.R. (1018) 211

Kaback, H.R.
The *lac* permease of *Escherichia coli*: a prototypic energy-transducing membrane protein (1018) 160
Kahn, D., see Westerhoff, H.V. (1018) 142
Kanazawa, H., see Sakai, Y. (1018) 18
Karkaria, C.E., see Rosen, B.P. (1018) 203
Kaulen, A.D., Drachev, L.A. and Zorina, V.V.
Proton transport and M-type intermediate formation by 13-*cis*-bacteriorhodopsin (1018) 103
Kaur, P., see Rosen, B.P. (1018) 203
Kennaway, N., see Ewart, G. (1018) 223
Keszthelyi, L., Száraz, S., Dér, A. and Stoeckenius, W.
Bacteriorhodopsin and halorhodopsin: multiple ion pumps (1018) 260
Klement, P., see Houštěk, J. (1018) 243
Knaff, D.B., see Hobbs, D.D. (1018) 47
Koepke, J., see Michel, H. (1018) 115
Konstantinov, A.A.
Vectorial electron and proton transfer steps in the cytochrome bc_1 complex (1018) 138
Kopecký, J., see Houštěk, J. (1018) 243
Kottke, M., see Brdiczka, D. (1018) 234
Kriauciunas, A., see Hobbs, D.D. (1018) 47
Kunz, W., see Bohnensack, R. (1018) 182

Laubinger, W., see Hoffmann, A. (1018) 206
Lemieux, L., see Chepuri, V. (1018) 124
Lengeler, J.W.
Molecular analysis of the EnzymeII-complexes of the bacterial phosphotransferase system (PTS) as carbohydrate transport systems (1018) 155
Leverve, X., see Rigoulet, M. (1018) 91
Lewartowski, B., see Hansford, R.G. (1018) 282
Lightowlers, R., see Ewart, G. (1018) 223
Lübben, M., see Schäfer, G. (1018) 271
Lucero, H.A., see Vescovi, E.G. (1018) 23
Lund, P. and Wiggins, D.
Maintenance of energy-linked functions in rat liver mitochondria (1018) 98
Luvisetto, S., Cola, C., Conover, T.E. and Azzone, G.F.
Tracking of proton flow during transition from anaerobiosis to steady state in rat liver mitochondria (00) 77
Luyt-Houwen, I.E.M., see Scholte, H.R. (1018) 211

Madgwick, S.A., see Rich, P.R. (1018) 29
Maroc, J. and Tremolieres, A.
Chlorophyll *a'* and pheophytin *a*, as determined by HPLC, in photosynthesis mutants and double mutants of *Chlamydomonas reinhardtii* (1018) 67
Mathis, P.
Compared structure of plant and bacterial photosynthetic reaction centers. Evolutionary implications (1018) 163
Matin, A.
Bioenergetics parameters and transport in obligate acidophiles (1018) 267
McCormack, J.G. and Denton, R.M.
The role of mitochondrial Ca^{2+} transport and matrix Ca^{2+} in signal transduction in mammalian tissues (1018) 287
Melandri, B.A., see Turina, M.P. (1018) 134
Michel, H., Sinning, I., Koepke, J., Ewald, G. and Fritzsch, G.
The photosynthetic reaction centre from the purple bacterium *Rhodopseudomonas viridis* – an overview and recent advances (1018) 115
Moody, A.J., see Rich, P.R. (1018) 29
Morgan-Hughes, J.A., Schapira, A.H.V., Cooper, J.M., Holt, I.J., Harding, A.E. and Clark, J.B.
The molecular pathology of respiratory-chain dysfunction in human mitochondrial myopathies (1018) 217

Nalam, V.K., see Brdiczka, D. (1018) 234
Navarre, C., see Goffeau, A. (1018) 200
Neijssel, O.M., Buurman, E.T. and Teixeira de Mattos, M.J.
The role of futile cycles in the energetics of bacterial growth (1018) 252
Nelson, B.D.
Thyroid hormone regulation of mitochondrial function. Comments on the mechanism of signal transduction (1018) 275
Neupert, W., see Pfanner, N. (1018) 239
Nicolay, K., Rojo, M., Wallimann, T., Demel, R. and Hovius, R.
The role of contact sites between inner and outer mitochondrial membrane in energy transfer (1018) 229

Ondrias, M.R., see Hobbs, D.D. (1018) 47
Ouhabi, R., see Rigoulet, M. (1018) 91
Owolabi, J.B., see Rosen, B.P. (1018) 203

Palmieri, F., Bisaccia, F., Capobianco, L., Iacobazzi, V., Indiveri, C. and Zara, V.
Structural and functional properties of mitochondrial anion carriers (1018) 147
Pavelka, S., see Houštěk, J. (1018) 243
Pfanner, N., Rassow, J., Wienhues, U., Hergersberg, C., Söllner, T., Becker, K. and Neupert, W.
Contact sites between inner and outer membranes: structure and role in protein translocation into the mitochondria (1018) 239
Phillips, J.D., see Schmitt, M.E. (1018) 119
Portillo, F., see Serrano, R. (1018) 195
Potier, M., see Hou, C. (1018) 61
Potter, W.D., see Halestrap, A.P. (1018) 278
Prokopczuk, A., see Hansford, R.G. (1018) 282
Purnelle, B., see Goffeau, A. (1018) 200

Rassow, J., see Pfanner, N. (1018) 239
Rauchová, H., see Beleznai, Z. (1018) 72
Reber, B.F.X., Somogyi, R. and Stucki, J.W.
Hormone-induced intracellular calcium oscillations and mitochondrial energy supply in single hepatocytes (1018) 190
Reizer, A., see Saier, Jr., M.H. (1018) 248
Reizer, J., see Saier, Jr., M.H. (1018) 248
Renger, G., see Wydrzynski, T. (1018) 55
Rich, P.R., Jeal, A.E., Madgwick, S.A. and Moody, A.J.
Inhibitor effects on redox-linked protonations of the *b* haems of the mitochondrial bc_1 complex (1018) 29
Rigoulet, M., Fraisse, L., Ouhabi, R., Guérin, B., Fontaine, E. and Leverve, X.
Flux-dependent increase in the stoichiometry of charge translocation by mitochondrial ATPase/ATP synthase induced by almitrine (1018) 91
Rigoulet, M.
Control processes in oxidative phosphorylation: kinetic constraints and stoichiometry (1018) 185
Rojo, M., see Nicolay, K. (1018) 229
Rosen, B.P., Hsu, C.-M., Karkaria, C.E., Kaur, P., Owolabi, J.B. and Tisa, L.S.
A plasmid-encoded anion-translocating ATPase (1018) 203

Ross, J.D., see Scholte, H.R. (1018) 211
Rottenberg, H.
Decoupling of oxidative phosphorylation and photophosphorylation (1018) 1
Ruiters, M.H.J., see Scholte, H.R. (1018) 211

Saier, Jr., M.H., Wu, L.-F., Baker, M.E., Sweet, G., Reizer, A. and Reizer, J.
Evolution of permease diversity and energy-coupling mechanisms with special reference to the bacterial phosphotransferase system (1018) 248
Sakai, Y., Kanazawa, H., Tsuda, M. and Tsuchiya, T.
Rapid purification and characterization of F_1-ATPase of *Vibrio parahaemolyticus* (1018) 18
Schäfer, G., Lübben, M. and Anemüller, S.
Electron transport-phosphorylation and its catalysts in the archaebacterium *Sulfolobus acidocaldarius* (1018) 271
Schapira, A.H.V., see Morgan-Hughes, J.A. (1018) 217
Schild, L., see Bohnensack, R. (1018) 182
Schmitt, M.E., Phillips, J.D. and Trumpower, B.L.
Genetic controls of mitochondrial development and function. Genetic analysis of subunits 6 and 9 of yeast ubiquinol-cytochrome *c* oxidoreductase complex (1018) 119
Scholte, H.R., Agsteribbe, E., Busch, H.F.M., Hoogenraad, T.U., Jennekens, F.G.I., Van Linge, B., Luyt-Houwen, I.E.M., Ross, J.D., Ruiters, M.H.J. and Verduin, M.H.M.
Oxidative phosporylation in human muscle in patients with ocular myopathy and after general anaesthesia (1018) 211
Serrano, R. and Portillo, F.
Catalytic and regulatory sites of yeast plasma membrane H^+-ATPase studied by directed mutagenesis (1018) 195
Sinning, I., see Michel, H. (1018) 115
Söllner, T., see Pfanner, N. (1018) 239
Somogyi, R., see Reber, B.F.X. (1018) 190
Stoeckenius, W., see Keszthelyi, L. (1018) 260
Stucki, J.W., see Reber, B.F.X. (1018) 190
Styring, C.J.S., see Vass, I. (1018) 41
Supply, P., see Goffeau, A. (1018) 200
Sweet, G., see Saier, Jr., M.H. (1018) 248
Száraz, S., see Keszthelyi, L. (1018) 260

Teixeira de Mattos, M.J., see Neijssel, O.M. (1018) 252
Telfer, A., Durrant, J. and Barber, J.
Transient absorption spectroscopy of the primary electron donor, P680, in the isolated Photosystem II reaction centre (1018) 168
Thauer, R.K.
Energy metabolism of methanogenic bacteria (1018) 256
Tisa, L.S., see Rosen, B.P. (1018) 203
Tremolieres, A., see Maroc, J. (1018) 67
Trumpower, B.L., see Schmitt, M.E. (1018) 119
Tsuchiya, T., see Sakai, Y. (1018) 18
Tsuda, M., see Sakai, Y. (1018) 18
Turina, M.P., Venturoli, G., Gräber, P. and Melandri, B.A.
Quantitative estimation of the H^+-storage capacity of chromatophores and comparison with acid-base induced ATP synthesis (1018) 134

Van Dam, K., see Westerhoff, H.V. (1018) 142
Van Gorkom, H.J., see Van Leeuwen, P.J. (1018) 173
Van Leeuwen, P.J., Vos, M.H. and Van Gorkom, H.J.
Photosynthetic oxygen evolution (1018) 173
Van Linge, B., see Scholte, H.R. (1018) 211
Vänngård, T., see Wydrzynski, T. (1018) 55
Van Workum, M., see Westerhoff, H.V. (1018) 142
Vass, I., Deák, Z. and Styring, C.J.S.
The accessory electron donor tyrosine-D of Photosystem II is slowly reduced in the dark during low-temperature storage of isolated thylakoids (1018) 41
Venturoli, G., see Turina, M.P. (1018) 134
Verduin, M.H.M., see Scholte, H.R. (1018) 211
Vescovi, E.G. and Lucero, H.A.
Phosphorylation of serine residues in endogenous proteins of thylakoids and subthylakoid particles in the dark under nonreducing conditions (1018) 23
Vos, M.H., see Van Leeuwen, P.J. (1018) 173

Wallimann, T., see Nicolay, K. (1018) 229
Wasilewska, E., see Hansford, R.G. (1018) 282
Westerhoff, H.V., Aon, M.A., Van Dam, K., Cortassa, S., Kahn, D. and Van Workum, M.
Dynamical and hierarchical coupling (1018) 142
Wienhues, U., see Pfanner, N. (1018) 239
Wiggins, D., see Lund, P. (1018) 98
Wojtczak, L., Bogucka, K., Duszyński, J., Zabłocka, B. and Żółkiewska, A.
Regulation of mitochondrial resting state respiration: slip, leak, heterogeneity? (1018) 177
Wu, L.-F., see Saier, Jr., M.H. (1018) 248
Wydrzynski, T., Ångström, J., Baumgart, F., Renger, G. and Vänngård, T.
^{35}Cl-NMR linewidth measurements of aqueous suspensions of Photosystem II membrane fragments reveal only a simple hyperbolic dependence with chloride concentration (1018) 55

Zabłocka, B., see Wojtczak, L. (1018) 177
Zara, V., see Palmieri, F. (1018) 147
Zhang, Y.-Z., see Ewart, G. (1018) 223
Żółkiewska, A., see Wojtczak, L. (1018) 177
Zorina, V.V., see Kaulen, A.D. (1018) 103